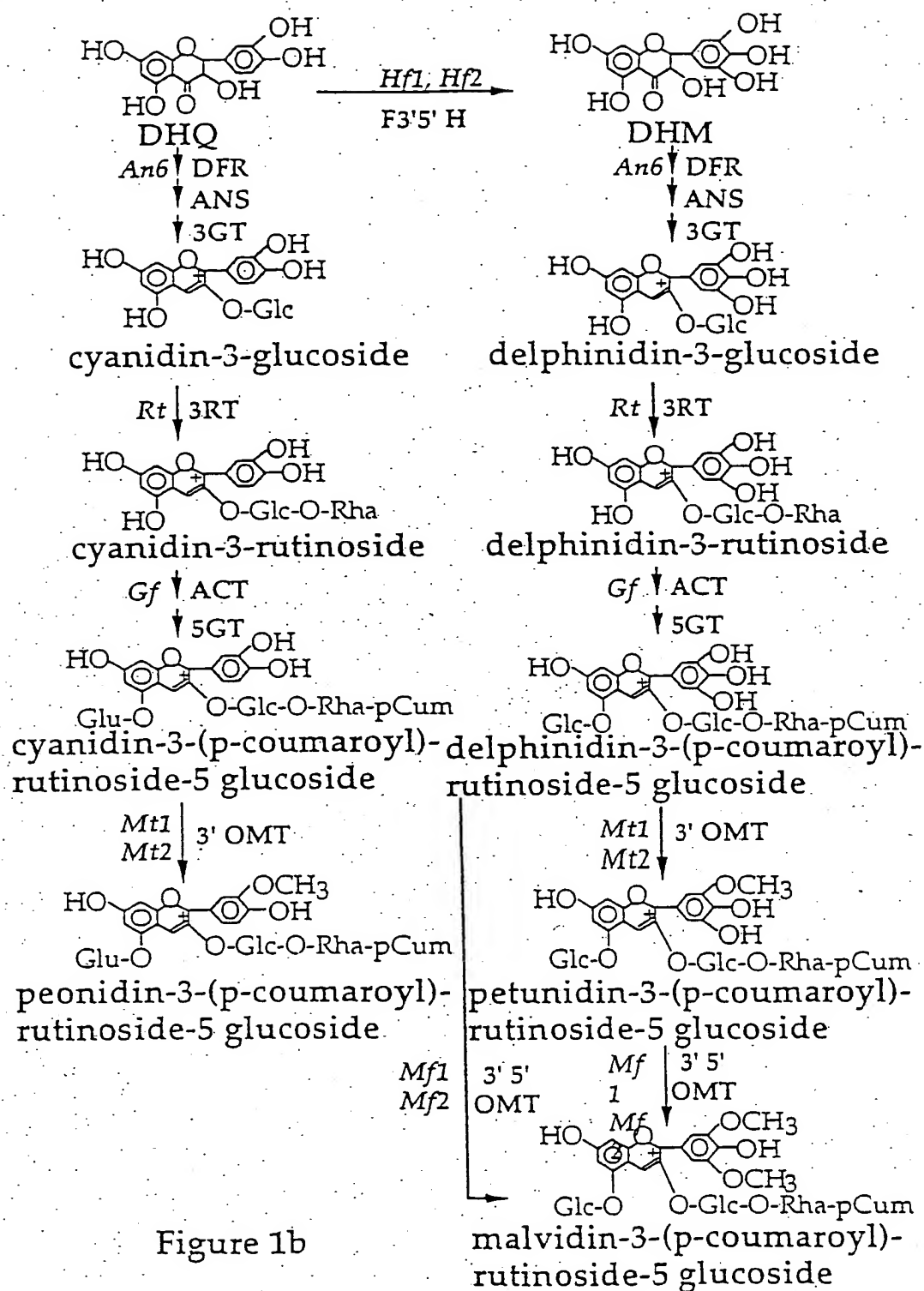


Figure 1a



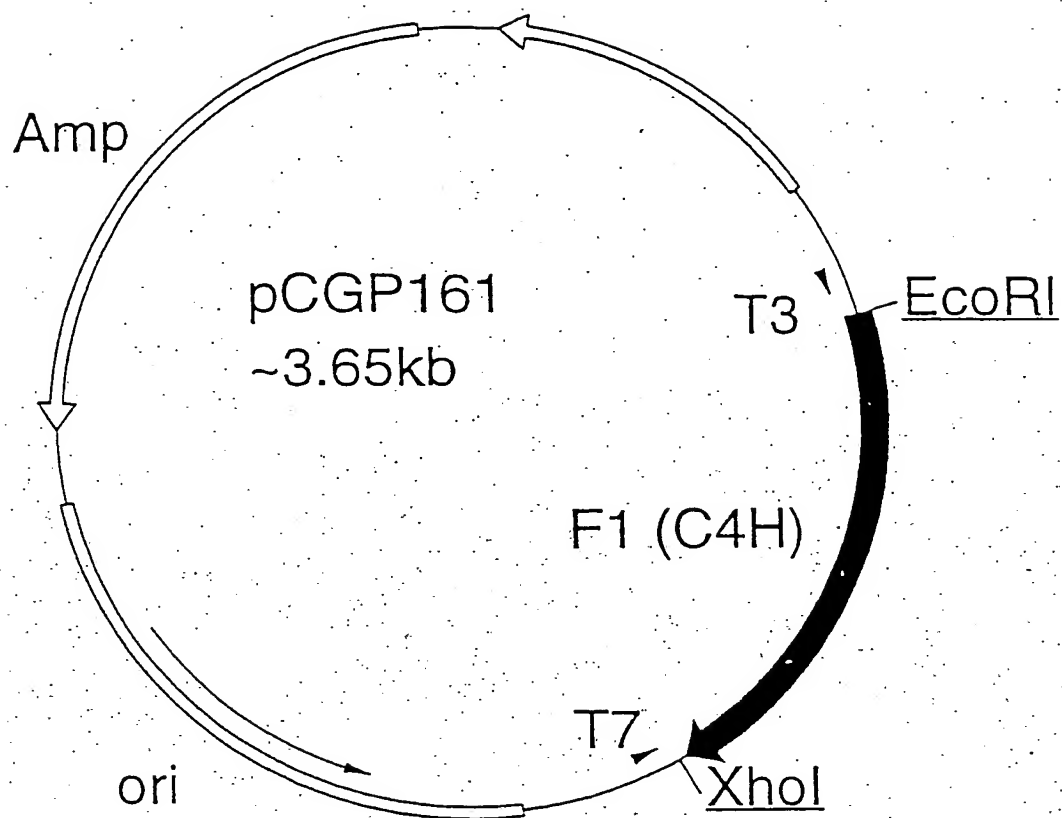


Figure 2

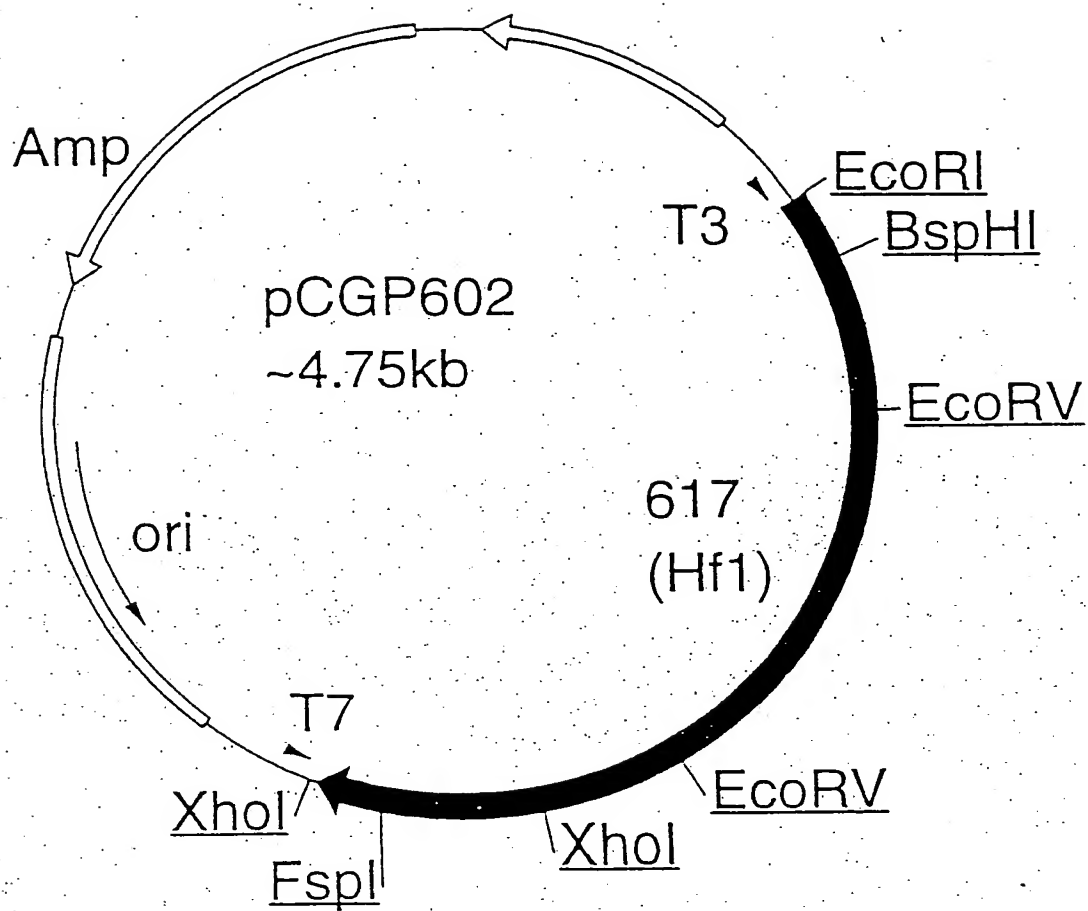


Figure 3

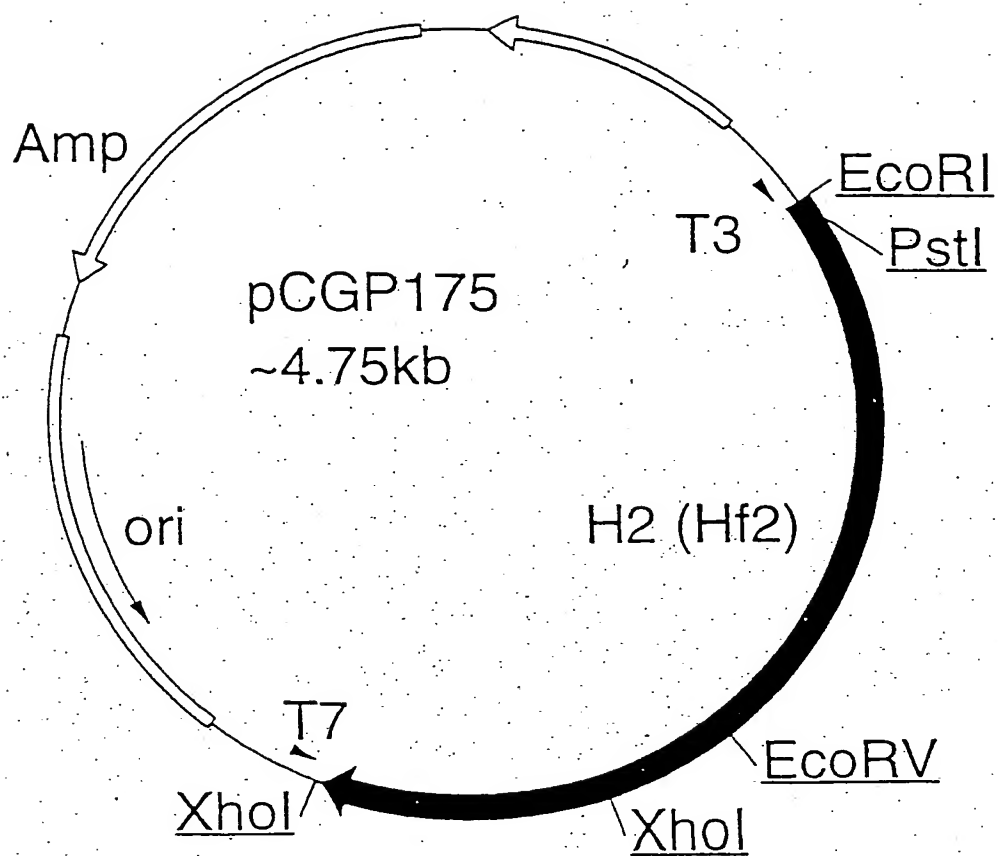


Figure 4

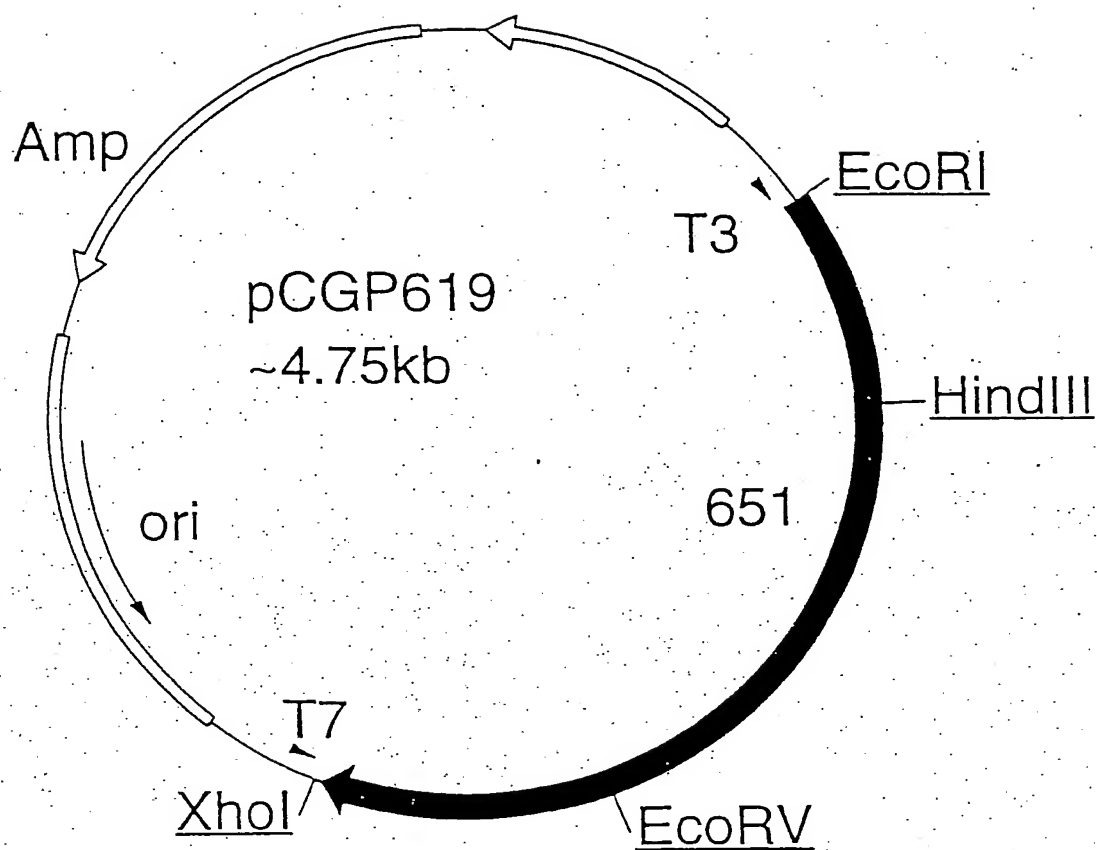


Figure 5

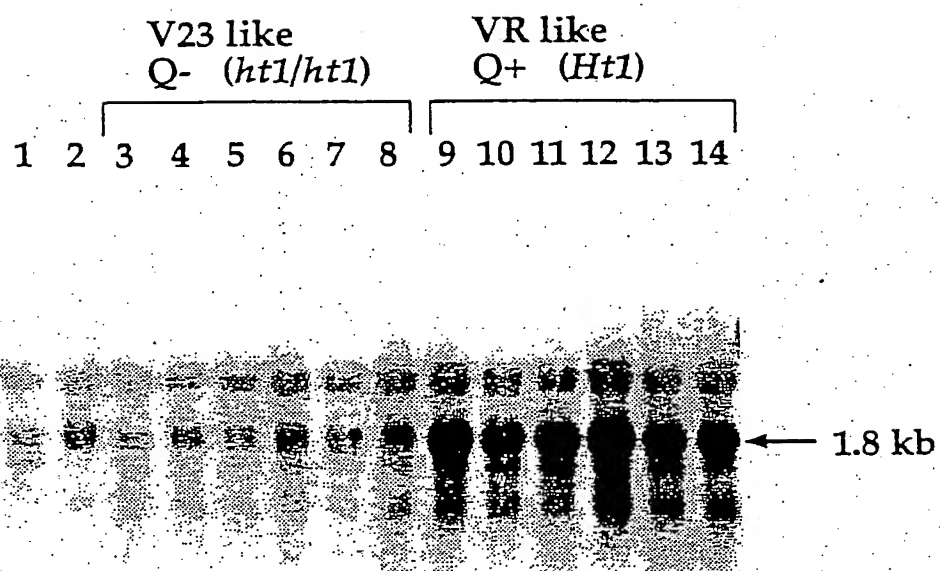


Figure 6

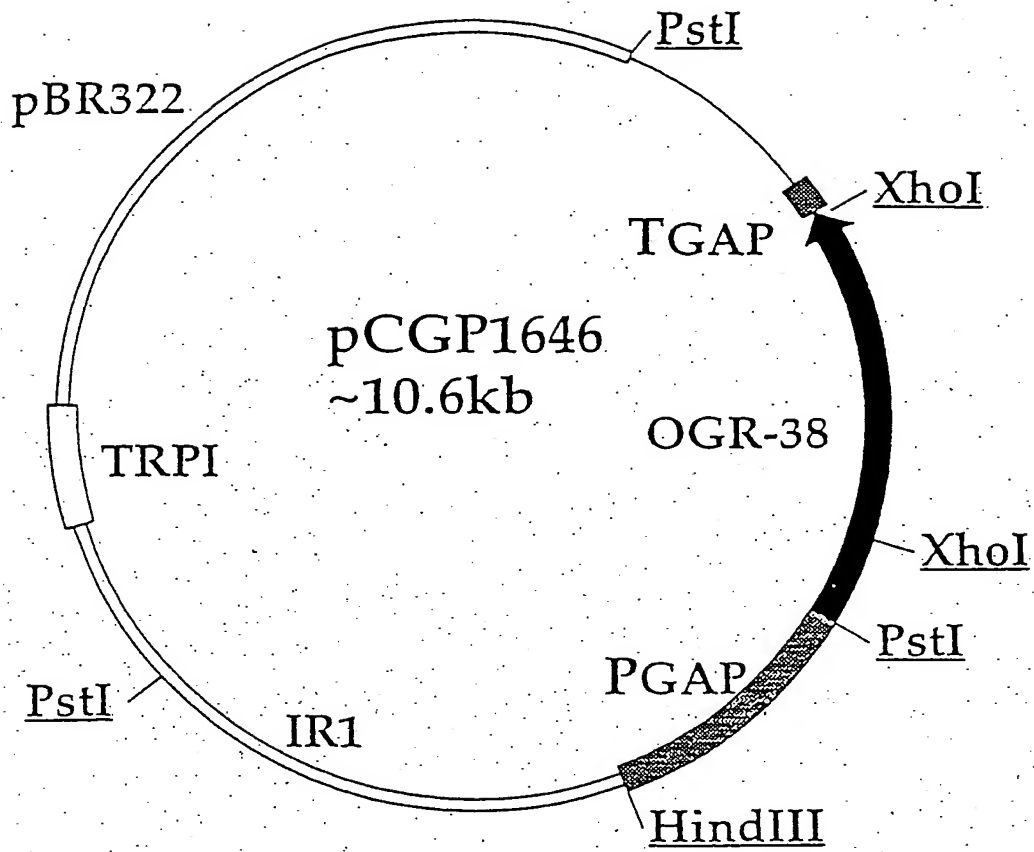


Figure 7

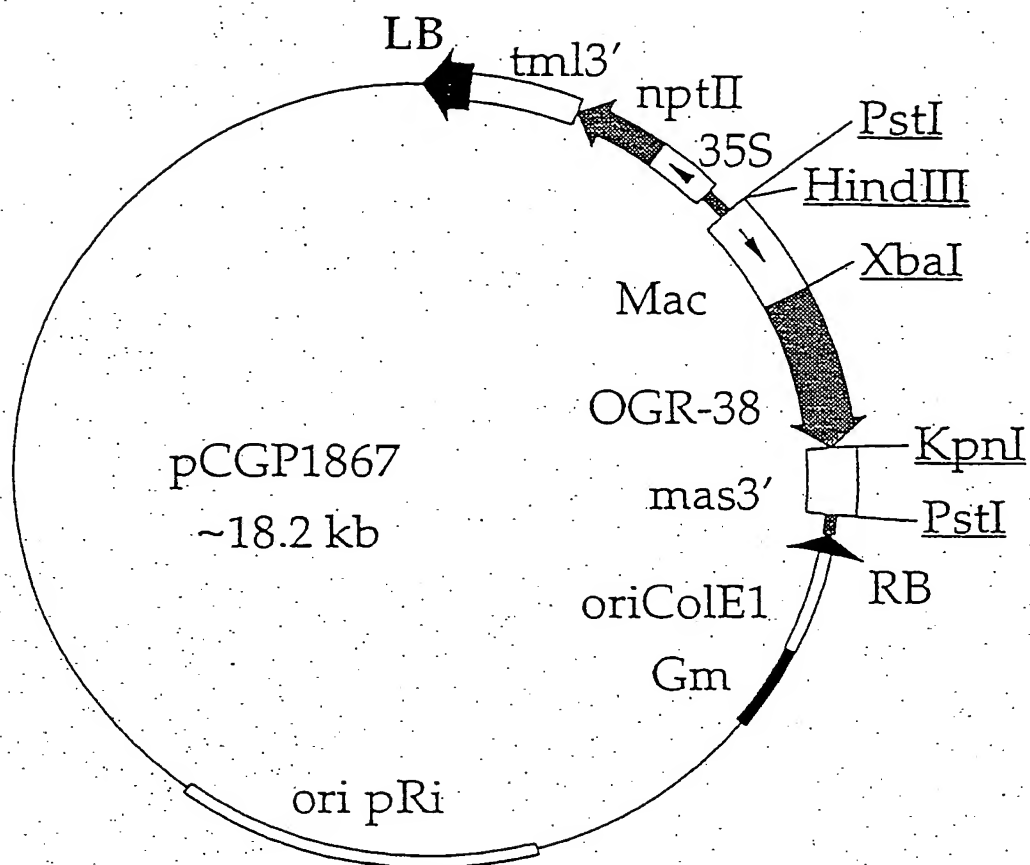


Figure 8

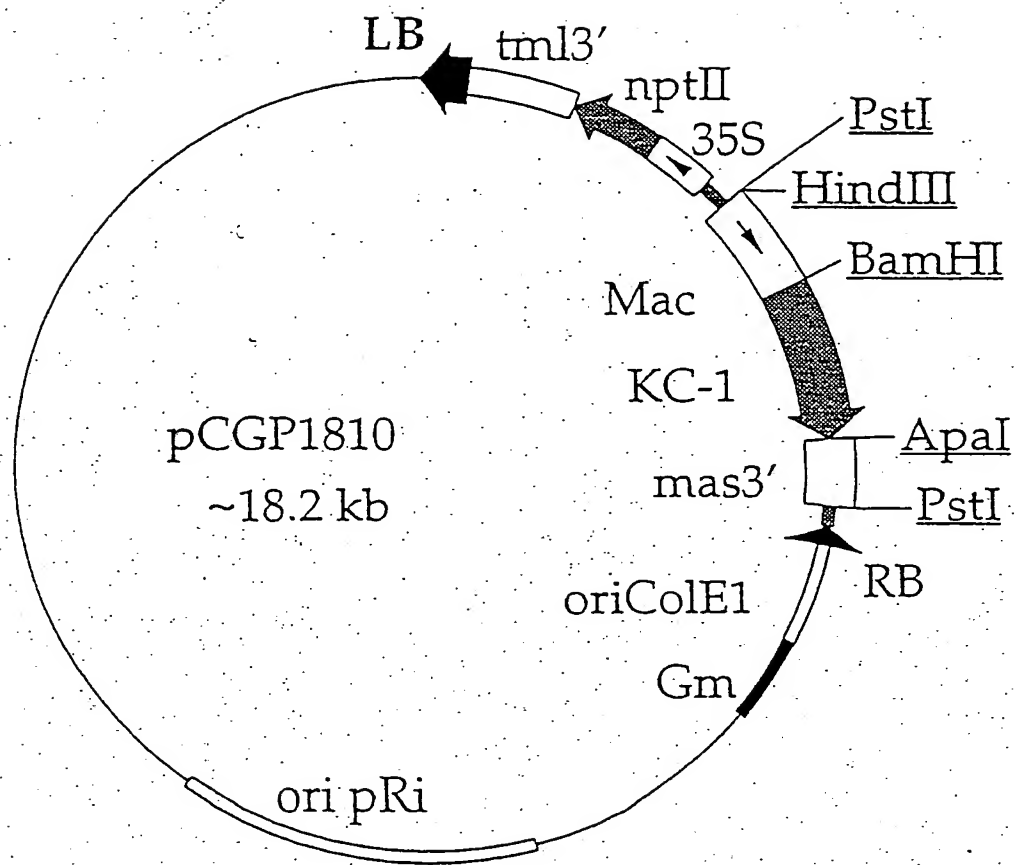


Figure 9

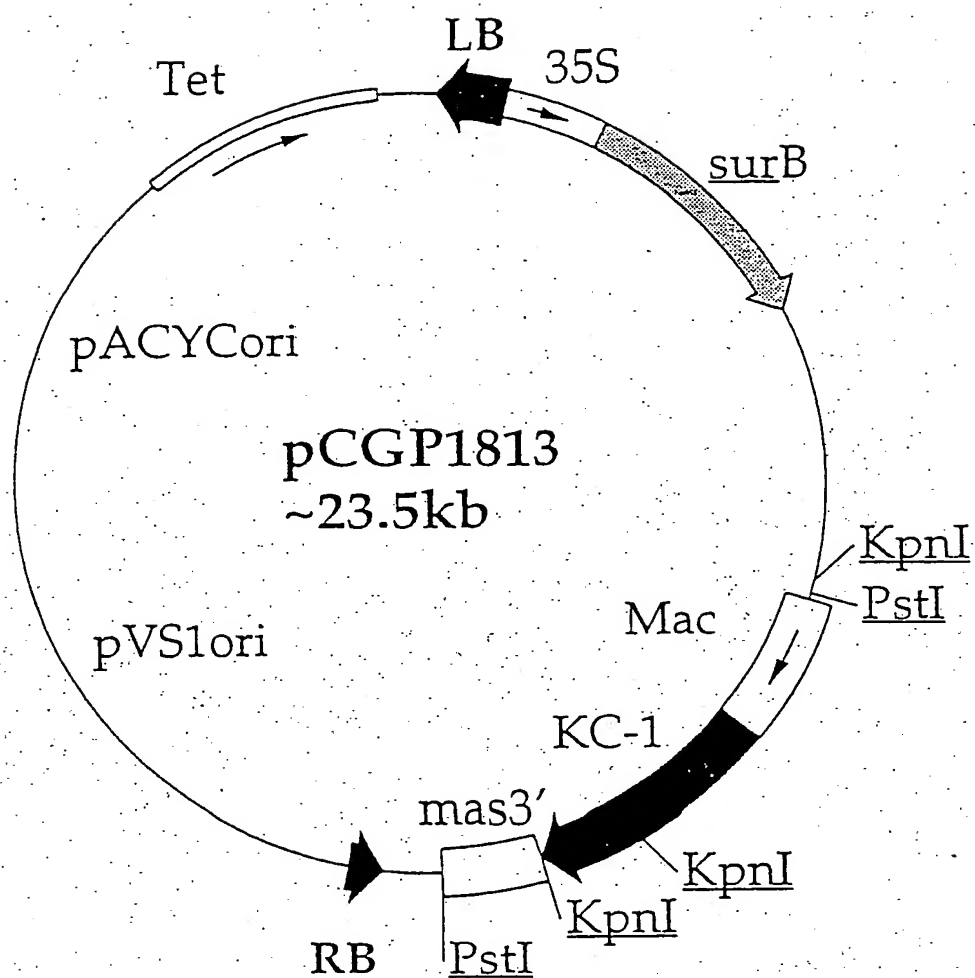


Figure 10

N8K16		N8 x K16 F2 population												
+	-	+	+	+	+	+	-	+	+	-	+	-	-	+
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



Figure 11

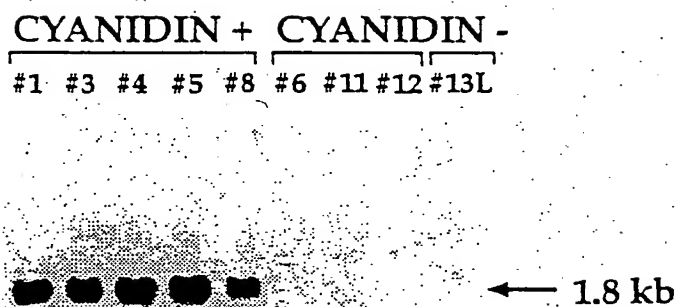


Figure 12

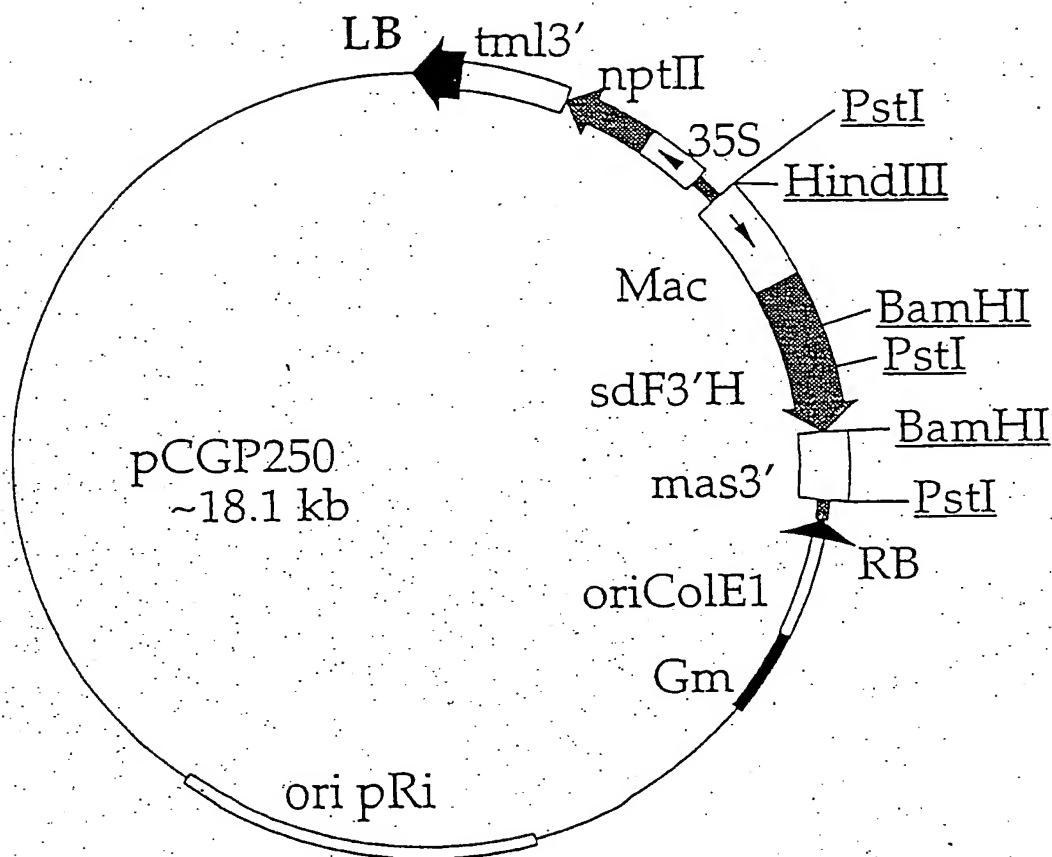


Figure 13

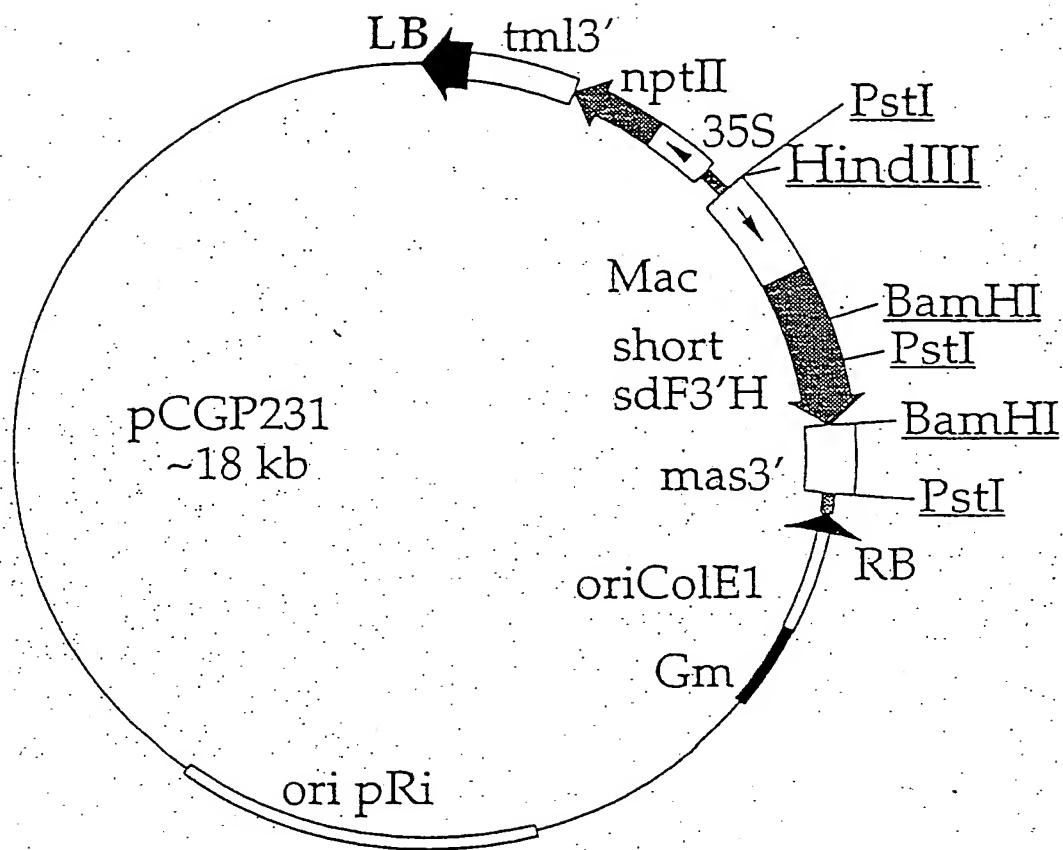


Figure 14

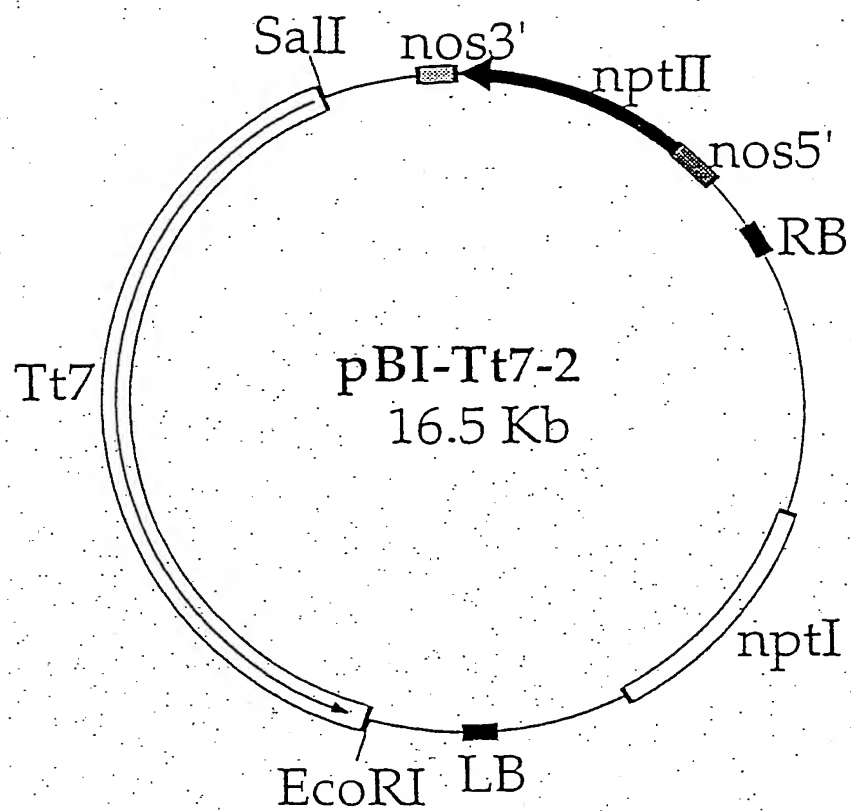


Figure 15

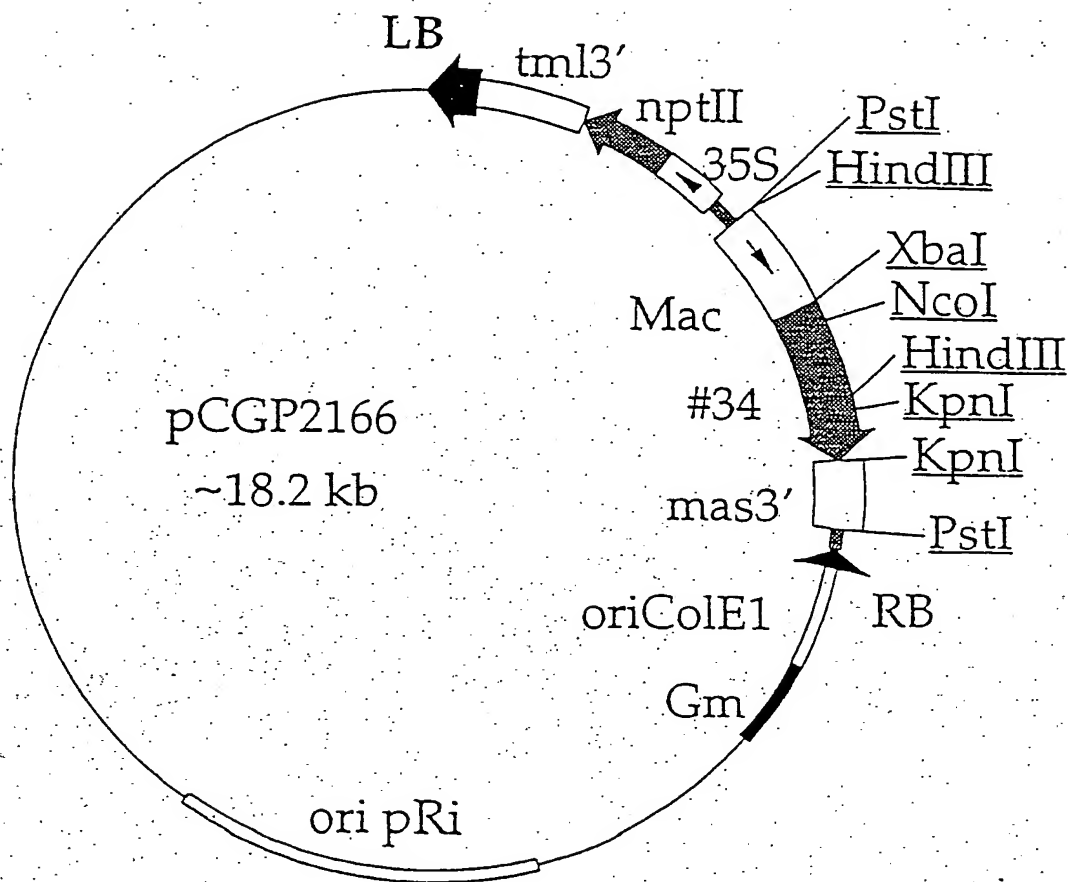


Figure 16

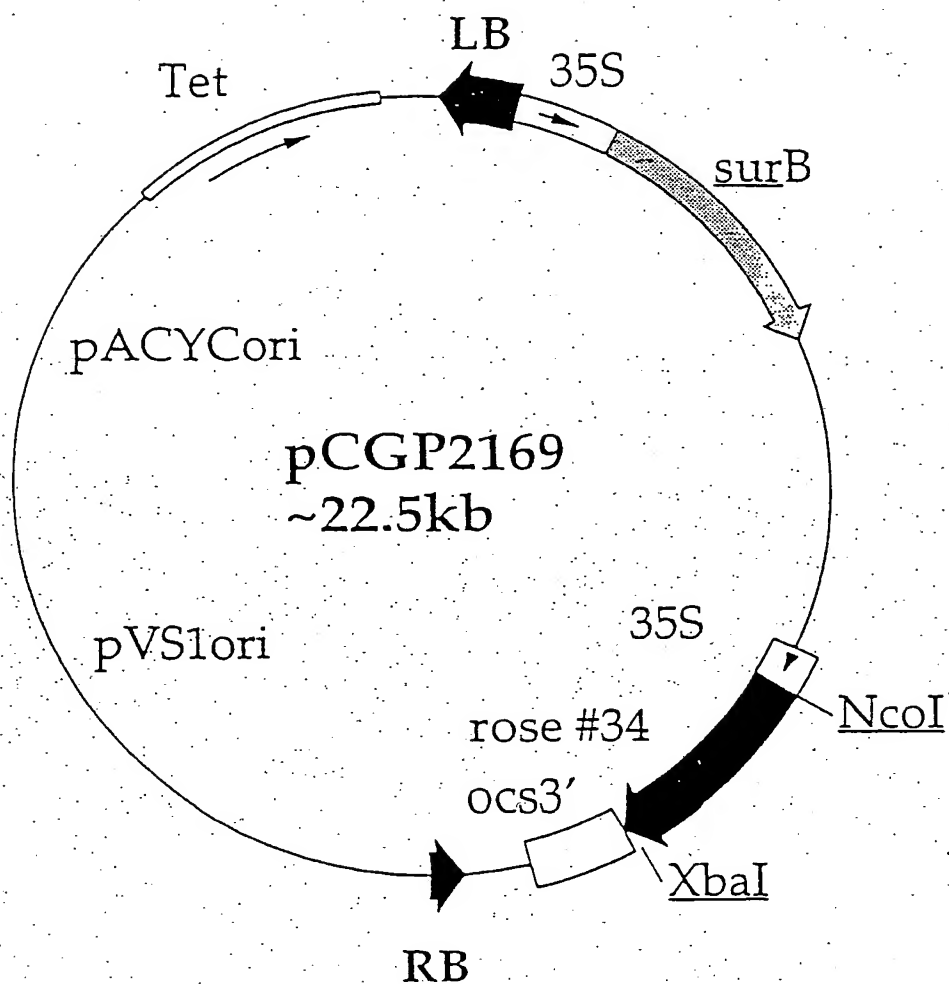


Figure 17

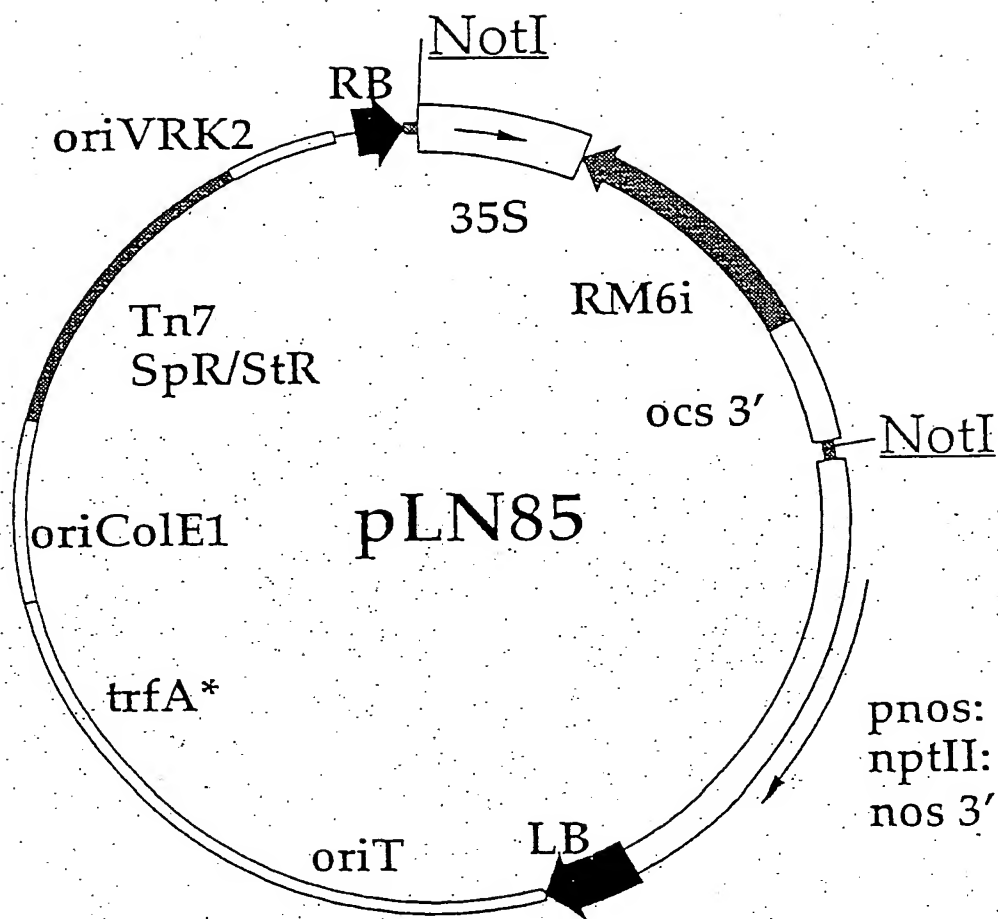


Figure 18

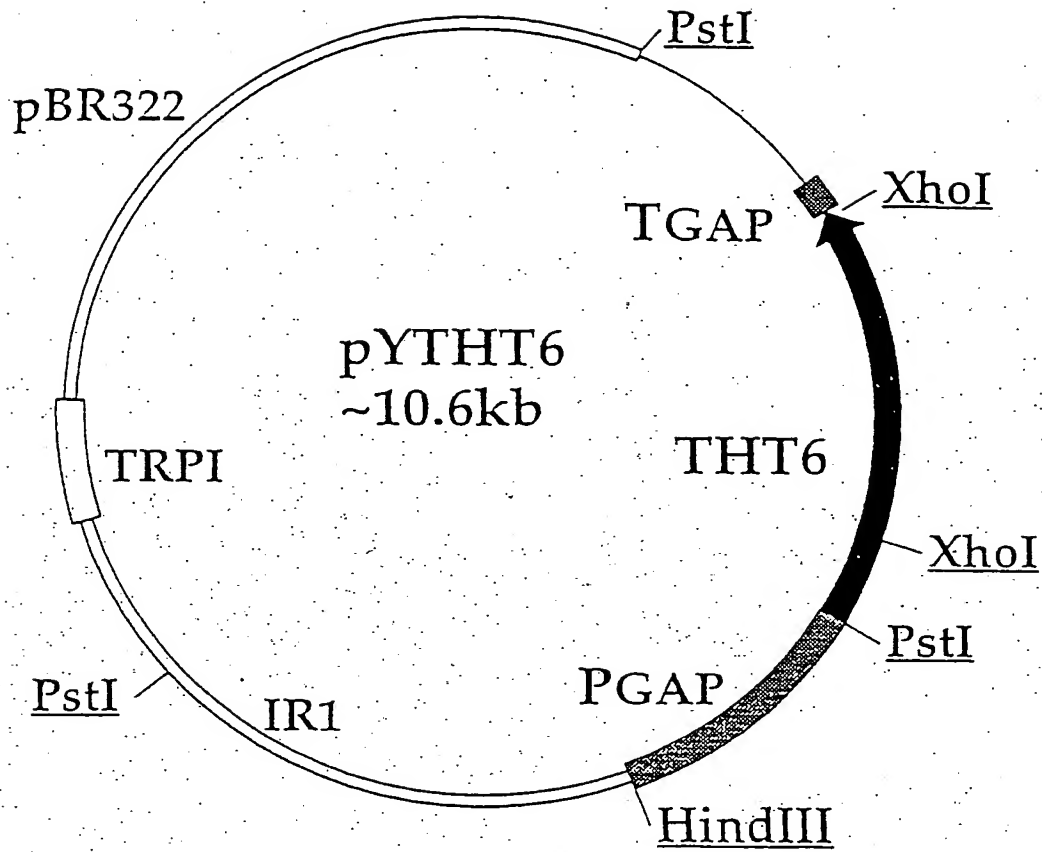


Figure 19

Figure 20 (i)

A	/									m	e	i	l	s	l	I	l	y	t	V	i	f	s	f	l	L	q	f	i	L	21			
B	/																		M	h	n	l	y	Y	L	i	t	c	v	11				
C	/	m	q	h	q	y	y	s	l	i	c	m	d	d	i	s	I	t	s	l	L	v	p	c	t	F	I	l	g	f	L	30		
D	/											m	a	t	l	f	L	t	i	l	L	a	t	v	l	F	L	i	l	r	I	20		
E	/											m	f	l	i	V	v	i	t	f	l	f	a	v	F	L	f	r	l	L	19			
F	/											m	t	i	l	a	f	V	f	y	a	L	i	l	g	s	v	L	y	v	f	L	21	
G	/										m	s	p	l	a	l	m	i	I	s	t	l	L	g	f	l	l	Y	h	s	l	r	L	23
H	/											s	l	t	l	I	f	c	t	L	v	f	a	i	F	L	y	f	l	I	19			
I	/																														0			
J	/																														0			
K	/											m	d	y	v	n	I	l	l	g	L	f	f	t	w	F	L	v	n	g	L	20		

A	22	r	-	s	f	f	r	k	R	y	p	l	p	L	P	P	G	P	K	P	W	P	I	I	G	N	L	V	H	L	G	50
B	12	f	r	g	-	-	-	-	-	h	q	k	p	L	P	P	G	P	R	P	W	P	I	V	G	N	I	P	H	M	G	36
C	31	l	l	y	s	f	l	n	K	k	v	k	p	L	P	P	G	P	K	P	W	P	I	V	G	N	I	P	H	L	G	60
D	21	f	s	h	r	r	n	r	s	h	n	n	r	L	P	P	G	P	n	P	W	P	I	I	G	N	L	P	H	M	G	50
E	20	f	s	g	k	s	q	r	-	h	s	l	p	L	P	P	G	P	K	P	W	P	V	V	G	N	L	P	H	L	G	48
F	22	n	l	s	-	-	-	s	R	k	s	a	r	L	P	P	G	P	t	P	W	P	I	V	G	N	L	P	H	L	G	48
G	24	l	l	f	s	g	q	g	R	-	-	r	l	L	P	P	G	P	R	P	W	P	L	V	G	N	L	P	H	L	G	51
H	20	l	r	-	-	v	k	q	R	y	p	l	p	L	P	P	G	P	K	P	W	P	V	L	G	N	L	P	H	L	G	47
I	1																														10	
J	1																														0	
K	21	m	s	l	r	-	r	r	K	i	s	k	k	L	P	P	G	P	f	P	l	P	I	I	G	N	L	h	l	L	G	49

A	51	p	K	P	H	Q	S	t	A	A	M	A	Q	t	Y	G	P	L	M	Y	L	K	M	G	F	V	D	V	V	V	A	80
B	37	q	a	P	H	Q	g	L	A	A	L	A	Q	k	Y	G	P	L	L	Y	M	R	L	G	Y	V	D	V	V	V	A	66
C	61	p	K	P	H	Q	S	M	A	A	L	A	R	v	h	G	P	L	I	H	L	K	M	G	F	V	h	V	V	V	A	90
D	51	t	K	P	H	R	T	L	S	A	M	v	t	t	Y	G	P	I	L	H	L	R	L	G	F	V	D	V	V	V	A	80
E	49	p	f	P	H	H	S	I	A	e	L	A	K	k	h	G	P	L	M	H	L	R	L	G	Y	V	D	V	V	V	A	78
F	49	p	i	P	H	H	A	L	A	A	L	A	K	k	Y	G	P	L	M	H	L	R	L	G	c	V	D	V	V	V	A	78
G	52	p	K	P	H	a	S	M	A	e	L	A	R	a	Y	G	P	L	M	H	L	K	M	G	F	V	h	V	V	V	A	81
H	48	k	K	P	H	Q	S	I	A	A	M	A	e	r	Y	G	P	L	M	H	L	R	L	G	F	V	D	V	V	V	A	77
I	11	s	K	P	H	Q	T	L	A	e	M	A	K	t	Y	G	P	L	M	H	L	K	f	G	L	k	D	a	V	V	A	40
J	1																													0		
K	50	n	H	P	H	K	S	L	A	q	L	A	K	i	h	G	P	I	M	N	L	K	L	G	q	L	n	t	V	V	i	79

A	81	A S A S V A	a	Q F L K	t	H D A N F S S R P P N S G A	e	H M A	110			
B	67	A S A S V A	t	Q F L K	t	H D	l	N F S S R P P N S G A K H I A	96			
C	91	S S A S V A	e	k F L K	v	H D A N F S S R P P N S G A K H V A			120			
D	81	A S	k	S V A	e	Q F L K	i	H D A N F A S R P P N S G A K H M A	110			
E	79	A S A S V A	a	Q F L K	t	H D A N F S S R P P N S G A K H L A			108			
F	79	A S A S V A	a	Q F L K	v	H D A N F A S R P P N S G A K H V A			108			
G	82	S S A S	a	A	e	Q	c	L R V H D A N F	l	S R P P N S G A K H V A	111	
H	78	A S A V A	a	Q F L K	v	H D S N F S	n	R P P N S G A	e	H I A	107	
I	41	S S A S V A	e	Q F L K	k	H D	v	N F S n	R P P N S G A K H I A		70	
J											0	
K	80	S S S v V A	r	E v	L Q k	Q D l	T F S	n	R	f v p d v v	H v r n	109

Figure 20 (ii)

A	111	Y N Y Q D L V F A P Y G P R W R M L R K I C S V H L F S T K	140
B	97	Y N Y Q D L V F A P Y G P K W R M L R K I C S L H M P S S K	126
C	121	Y N Y Q D L V F A P Y G P R W R M L R K I C A L H L P S A K	150
D	111	Y N Y Q D L V F A P Y G h R W R L L R K I S S V H L F S A K	140
E	109	Y N Y Q D L V F r P Y G P R W R M f R K I S S V H L F S g K	138
F	109	Y N Y Q D L V F A P Y G P R W R L L R K I C S V H L F S A K	138
G	112	Y N Y E D L V F r P Y G P K W R L L R K I C A q H I F S v K	141
H	108	Y N Y Q D L V F A P Y G P R W R M L R K I T S V H L F S A K	137
I	71	Y N Y Q D L V F A P Y G P R W R L L R K I C S V H L F S S K	100
J	1		0
K	110	h s d f s V V w l P v N s R W K t L R K I m n s s I F S g n	139

A	141	A L D D F R H V R Q D - - - E V k t L T R A L A s A G q k P	167
B	127	A L D D F R l V R Q E - - - E V S I L v n A I A k A C t k P	153
C	151	A n D P t H V R Q D - - - E V g i L T R v L A d A C e t P	177
D	141	A L E D F K H V R Q E - - - E V g t L T R e L v r v G t k P	167
E	139	A L D D l K H V R Q E - - - E V S V L A H A L A n S G s k v	165
F	139	A L D D F R H V R Q E - - - E V A V L T R v L l s A G n s P	165
G	142	A M D D F R R V R E E - - - E V A I L S R A L A - G k r a	166
H	138	A L D D F c H V R Q E - - - E V A t L T R S L A s A G k t P	164
I	101	A L D D F Q H V R h E - - - E I C I L i R A I A s g G h a P	127
J	1		14
K	140	k L D g n Q H L R s k k v q E L i d y C O k c A k n G e - a	168

A	168	V k L C Q L L N V C T T N A L A R V M L G K R V F a d G s G	197
B	154	V O L G Q L L N V C T T N A L S R V M L G K R V l G d G t G	183
C	178	L k L C Q M M N t C A T N A I A R V M L G R R V v G h a d -	206
D	168	V N L G Q L V N M C v v N A L g R e M I G R R L F G - - a	194
E	166	V N L a Q L L N L C T v N A L g R V M V G R R V F G d G s G	195
F	166	V O L G Q L L N V C A T N A L A R V M L G R R V F G - - d	192
G	167	V p I G Q M L N V C A T N A L S R V M M G R R V v G h a d G	196
H	165	V k L C Q L L N V C T T N A L A R V M L G K R V F n d G g s	194
I	128	V N L G K L L G V C T T N A L A R V M L G R R V F e - G d G	156
J	15	I N L G Q L L G V C T T N A L A R V M L G R R V F G d G s G	44
K	169	V d I G R a t f g T T l N l L S n t I f s K d L t N - - -	194

A	198	d v D P Q A a E F K S M V V E M M V V A G V F N I G D F I P	227
B	184	k s D P K A E E F K d M V L E L M V L T G V F N I G D F V P	213
C	207	- - s K A E E F K A M V V E L M V L A G V F N I G D F I P	233
D	195	d a p h K A D E F R S M V t E M M a L A G V F N I G D F V P	224
E	196	g d D P K A D E F K S M V V E M M V L A G V F N I G D F I P	225
F	193	g i p r s a n E F K d M V V E L M V L A G e F N L G D F I P	222
G	197	t n a K A E E F K A M V V E L M V L S G V F N I G D F I P	226
H	195	k s D P K A E E F K S M V e E M M V L A G s F N I G D F I P	224
I	157	g e n P H A D E F K S M V V E I M V L A G a F N L G D F I P	186
J	45	g v D P Q A D E F K S M V V E I M V L A G a F N L G D F I P	74
K	195	p f s d s A K E F K e L V w n I M V e A G k p N L V D Y f P	224

Figure 20 (iii)

A	228	q	L	n	W	L	D	I	Q	G	V	A	A	K	K	K	L	H	A	R	F	D	A	F	L	T	d	I	L	E	257	
B	214	a	L	E	C	L	D	L	Q	G	V	A	S	K	K	K	L	H	k	R	L	D	n	F	M	S	n	I	L	E	243	
C	234	p	L	E	k	L	D	L	Q	G	V	i	A	K	K	K	L	H	l	R	F	D	S	F	L	S	k	I	L	g	263	
D	225	s	L	D	W	L	D	L	Q	G	V	A	g	K	M	K	R	L	H	k	R	F	D	A	F	L	S	s	I	L	k	254
E	226	s	L	E	W	L	D	L	Q	G	V	A	S	K	K	K	L	H	k	R	F	D	d	F	L	T	a	I	V	E	255	
F	223	v	L	D	l	f	D	L	Q	G	I	T	k	K	K	K	L	H	v	R	F	D	S	F	L	S	k	I	V	E	252	
G	227	f	L	E	p	L	D	L	Q	G	V	A	S	K	K	K	L	H	A	R	F	D	A	F	L	T	e	I	V	r	256	
H	225	v	L	g	W	f	D	V	Q	G	I	v	g	K	K	K	L	H	A	R	F	D	A	F	L	n	t	I	L	E	254	
I	187	v	L	D	W	f	D	L	Q	G	I	A	g	K	K	K	L	H	A	R	F	D	k	F	L	n	g	I	L	E	216	
J	75	a	L	D	W	f	D	L	Q	G	I	T	A	K	K	K	V	H	A	R	F	D	A	F	L	d	a	I	L	E	104	
K	225	f	L	E	k	I	D	p	Q	G	I	k	r	R	M	t	n	n	f	T	K	F	l	g	l	I	S	g	L	I	D	254

A	258	E	H	K	g	k	-	-	-	-	i	f	g	e	m	k	D	L	L	S	T	L	I	S	L	K	n	d	d	a	282	
B	244	E	H	K	s	v	a	-	-	-	h	q	q	n	g	g	D	L	L	S	i	L	I	S	L	K	-	d	n	c	268	
C	264	D	H	K	i	N	s	s	-	d	e	t	k	g	H	s	-	D	L	L	n	m	L	I	S	L	K	d	a	d	291	
D	255	E	H	e	m	N	g	-	-	-	q	d	q	K	h	t	D	M	L	S	T	L	I	S	L	K	g	t	d	l	280	
E	256	D	H	K	k	G	s	-	-	-	g	t	a	g	h	v	D	M	L	T	T	L	L	S	L	K	-	e	d	a	280	
F	253	E	H	K	t	a	p	-	-	-	g	g	l	g	h	t	D	L	L	S	T	L	I	S	L	K	d	d	a	278		
G	257	E	R	c	h	G	q	i	-	n	n	s	g	a	H	q	d	D	L	L	S	T	L	I	S	f	K	g	l	d	285	
H	255	E	H	K	c	v	n	n	q	h	t	t	l	s	K	d	v	D	f	L	S	T	L	I	r	L	K	d	n	g	a	284
I	217	D	R	K	s	N	g	s	r	-	g	a	e	Q	y	v	D	L	L	S	v	L	I	S	L	Q	d	s	n	i	244	
J	105	E	H	K	s	N	g	s	r	-	g	a	e	Q	y	v	D	L	L	S	m	L	I	S	L	Q	d	n	n	i	132	
K	255	D	R	l	k	e	r	n	-	-	l	r	d	n	a	n	i	D	V	L	d	A	L	L	n	I	s	q	e	n	p	282

A	283	D	N	d	g	-	-	G	K	L	T	D	T	E	I	K	A	L	L	L	N	L	F	v	A	G	T	D	T	S	S	310	
B	269	D	G	-	-	e	-	G	G	K	f	S	a	T	E	I	K	A	L	L	L	d	I	F	T	A	G	T	D	T	S	S	296
C	292	a	e	-	-	-	-	G	G	R	L	T	D	v	E	I	K	A	L	L	L	N	L	F	A	A	G	T	D	T	S	S	318
D	281	D	G	-	-	d	-	G	G	s	L	T	D	T	E	I	K	A	L	L	L	N	M	F	T	A	G	T	D	T	S	A	308
E	281	D	G	-	-	e	-	G	G	K	L	T	D	T	E	I	K	A	L	L	L	N	M	F	T	A	G	T	D	T	S	S	308
F	279	i	e	-	-	-	-	G	G	K	L	T	D	T	E	I	K	A	L	L	L	N	L	F	A	A	G	T	D	T	S	S	305
G	286	g	d	-	-	-	-	G	s	R	L	T	D	T	E	I	K	A	L	L	L	N	L	l	-	-	-	-	-	-	-	308	
H	285	D	m	d	c	e	-	G	K	L	T	D	T	E	I	K	A	L	L	L	N	L	F	T	A	G	T	D	T	S	S	314	
I	245	D	G	g	d	e	-	G	t	K	L	T	D	T	E	I	K	A	L	L	L	N	L	F	i	A	G	T	D	T	S	S	274
J	133	D	G	-	e	s	-	G	a	K	L	T	D	T	E	I	K	A	L	L	L	N	L	F	T	A	G	T	D	T	S	S	161
K	283	E	e	-	-	-	-	-	-	I	d	r	N	Q	I	e	q	L	c	L	d	L	F	A	A	G	T	D	T	S	S	306	

A	311	S	T	V	E	W	A	I	A	E	L	I	R	N	P	K	I	L	a	Q	A	Q	Q	E	I	D	k	V	V	G	R	340
B	297	S	T	c	E	W	A	I	A	E	L	I	R	H	P	K	I	L	a	Q	v	Q	Q	E	M	D	s	V	V	G	R	326
C	319	S	T	V	E	W	C	I	A	E	L	V	R	H	P	e	I	L	a	Q	v	Q	k	E	L	D	s	V	V	G	K	348
D	309	S	T	V	D	W	A	I	A	E	L	I	R	H	P	d	I	M	v	K	A	Q	E	E	L	D	i	V	V	G	R	338
E	309	S	T	V	E	W	A	I	A	E	L	I	R	H	P	H	M	L	a	R	v	Q	k	E	L	D	d	f	V	G	H	338
F	306	S	T	V	E	W	A	I	A	E	L	I	R	H	P	Q	I	L	k	Q	A	R	E	E	I	D	a	V	V	G	Q	335
G	309	S	T	V	E	W	A	V	A	E	L	L	R	H	P	K	t	L	a	Q	v	R	Q	E	L	D	s	V	V	G	K	338
H	315	S	T	V	E	W	A	I	A	E	L	L	R	N	P	K	I	L	n	Q	A	Q	Q	E	L	D	l	V	V	G	Q	344
I	275	S	T	V	E	W	A	M	A	E	L	I	R	N	P	K	L	L	v	Q	A	Q	E	E	L	D	r	V	V	G	p	304
J	162	S	T	V	E	W	A	I	A	E	L	I	R	N	P	e	V	L	v	Q	A	Q	Q	E	L	D	r	V	V	G	p	191
K	307	n	T	L	E	W	A	M	A	E	L	L	O	N	P	H	t	L	q	K	A	Q	E	E	L	a	q	V	I	G	K	336

Figure 20 (iv)

A	341	d	R	L	V	g	E	L	D	L	a	Q	L	t	Y	L	E	A	I	V	K	E	T	F	R	L	H	P	S	T	P	370
B	327	d	R	L	I	A	E	A	D	I	p	N	L	t	Y	f	Q	A	V	I	K	E	V	F	R	L	H	P	S	T	P	356
C	349	n	R	V	V	k	E	A	D	L	a	g	L	P	P	L	Q	A	V	V	K	E	N	F	R	L	H	P	S	T	P	378
D	339	d	R	p	V	n	E	S	D	I	a	Q	L	P	Y	L	Q	A	V	I	K	E	N	F	R	L	H	P	p	T	P	368
E	339	d	R	L	V	T	E	S	D	I	p	N	L	P	Y	L	Q	A	V	I	K	E	T	F	R	L	H	P	S	T	P	368
F	336	d	R	L	V	T	E	l	D	L	s	Q	L	t	Y	L	Q	A	L	V	K	E	V	F	R	L	H	P	S	T	P	365
G	339	n	R	L	V	S	E	T	D	L	n	Q	L	P	Y	L	Q	A	V	V	K	E	T	F	R	L	H	P	p	T	P	368
H	345	n	Q	L	V	T	E	S	D	L	t	d	L	P	P	L	Q	A	I	V	K	E	T	F	R	L	H	P	S	T	P	374
I	305	n	R	f	V	T	E	S	D	L	p	Q	L	t	P	L	Q	A	V	I	K	E	T	F	R	L	H	P	S	T	P	334
J	192	s	R	L	V	T	E	S	D	L	p	Q	L	a	P	L	Q	A	V	I	K	E	T	F	R	L	H	P	S	T	P	221
K	337	g	K	q	v	e	E	A	D	V	g	r	L	P	Y	L	r	C	I	V	K	E	T	l	R	I	E	P	A	A	P	366

A	371	L	S	L	P	R	I	A	S	E	S	C	E	I	N	G	Y	f	I	P	K	G	S	T	L	L	N	V	W	A	400	
B	357	L	S	L	P	R	V	A	n	E	S	C	E	I	N	G	Y	h	I	P	K	N	T	T	L	L	V	N	V	W	A	386
C	379	L	S	L	P	R	I	A	h	E	S	C	E	V	N	G	Y	l	I	P	K	G	S	T	L	L	N	V	W	A	408	
D	369	L	S	L	P	H	I	A	S	E	S	C	E	I	N	G	Y	h	I	P	K	G	S	T	L	L	t	N	I	W	A	398
E	369	L	S	L	P	R	M	A	A	E	S	C	E	I	N	G	Y	h	I	P	K	G	S	T	L	L	N	V	W	A	398	
F	366	L	S	L	P	R	I	S	S	E	S	C	E	V	d	G	Y	y	I	P	K	G	S	T	L	L	N	V	W	A	395	
G	369	L	S	L	P	R	L	A	e	d	d	C	E	I	d	C	Y	l	I	P	K	G	S	T	L	L	N	V	W	A	398	
H	375	L	S	L	P	R	M	g	A	Q	g	C	E	I	N	G	Y	f	I	P	K	G	A	T	L	L	N	V	W	A	404	
I	335	L	S	L	P	R	M	A	A	e	d	C	E	I	N	G	Y	y	V	s	e	C	S	T	L	L	N	V	W	A	364	
J	222	L	S	L	P	R	M	A	S	E	g	C	E	I	N	G	Y	s	I	P	K	G	S	T	L	L	N	V	W	S	251	
K	367	L	l	I	P	R	k	v	e	E	d	v	E	L	s	t	Y	i	I	P	K	d	S	q	V	L	N	V	W	A	396	

A	401	I	A	R	D	P	n	a	W	A	D	P	L	E	F	R	P	E	R	F	L	P	G	G	E	K	P	k	V	D	V	430
B	387	I	A	R	D	P	e	V	W	A	D	P	L	E	F	K	P	E	R	F	L	P	G	G	E	K	P	N	V	D	V	416
C	409	I	A	R	D	P	n	V	w	d	E	P	L	E	F	R	P	E	R	F	L	k	G	C	E	K	P	N	V	D	V	438
D	399	I	A	R	D	P	d	q	W	S	D	P	L	a	F	K	P	E	R	F	L	P	G	G	E	K	s	G	V	D	V	428
E	399	I	S	R	D	P	a	e	W	A	D	P	L	E	F	K	P	E	R	F	L	P	G	G	E	K	P	N	V	D	I	428
F	396	I	A	R	D	P	k	M	W	A	D	P	L	E	F	R	P	s	R	F	L	P	G	G	E	K	P	G	a	D	V	425
G	399	I	A	R	D	P	k	V	W	A	D	P	L	E	F	R	P	E	R	F	L	t	G	C	E	K	a	d	V	D	V	428
H	405	I	A	R	D	P	n	V	W	T	n	P	L	E	F	n	P	h	R	F	L	P	G	G	E	K	P	N	V	D	I	434
I	365	I	A	R	D	P	n	a	W	A	n	P	L	D	F	n	P	t	R	F	L	a	G	C	E	K	P	N	V	D	V	394
J	252	I	A	R	D	P	s	I	W	A	D	P	L	E	F	R	P	a	R	F	L	P	G	G	E	K	P	N	V	D	V	281
K	397	I	g	R	n	s	d	L	W	e	n	P	L	v	F	K	P	E	R	F	w	e	s	-	-	-	e	I	D	I	422	

A	431	R	G	N	D	F	E	V	I	P	F	G	A	G	R	R	I	C	A	G	M	n	L	G	I	R	M	V	Q	L	M	460
B	417	K	G	N	D	F	E	L	I	P	F	G	A	G	R	R	I	C	A	G	L	S	L	G	L	R	M	V	Q	L	M	446
C	439	R	G	N	D	F	E	L	I	P	F	G	A	G	R	R	I	C	A	G	M	S	L	G	I	R	M	V	Q	L	L	468
D	429	K	G	s	D	F	E	L	I	P	F	G	A	G	R	R	I	C	A	G	L	S	L	G	L	R	t	I	Q	f	L	458
E	429	R	G	N	D	F	E	V	I	P	F	G	A	G	R	R	I	C	A	G	M	S	L	G	L	R	M	V	H	L	M	458
F	426	R	G	N	D	F	E	V	I	P	F	G	A	G	R	R	I	C	A	G	M	S	L	G	L	R	M	V	Q	L	L	455
G	429	K	G	N	D	F	E	V	I	P	F	G	A	G	R	R	I	C	A	G	V	g	L	G	I	R	M	V	Q	L	L	458
H	435	K	G	N	D	F	E	V	I	P	F	G	A	G	R	R	I	C	S	G	M	S	L	G	I	R	M	V	H	L	L	464
I	395	K	G	N	D	F	E	V	I	P	F	G	A	G	R	R	I	C	A	G	M	S	L	G	I	R	M	V	Q	L	V	424
J	282	R	G	N	D	F	E	V	I	P	F	G	A	G	R	R	I	C	A	G	M	S	L	G	L	R	M	V	Q	L	s	311
K	423	R	G	r	D	F	E	L	I	P	F	G	A	G	R	R	I	C	p	G	L	p	L	a	M	R	M	I	p	V	a	452

Figure 20 (v)

A	461	i	A	T	L	I	H	A	F	n	W	C	L	v	s	G	q	l	P	E	m	L	N	M	E	E	A	Y	G	L	T	490
B	447	T	A	T	L	a	E	T	Y	D	w	a	L	A	d	G	L	m	P	E	k	L	N	M	D	E	A	Y	G	L	T	476
C	469	T	A	T	L	n	H	A	E	D	f	D	L	A	d	G	q	l	P	E	s	L	N	M	E	E	A	Y	G	L	T	498
D	459	T	A	T	L	V	Q	g	P	D	W	E	L	A	G	G	V	t	P	E	k	L	N	M	E	E	S	Y	G	L	T	488
E	459	T	A	T	L	V	H	A	F	n	w	a	L	A	d	G	L	t	a	E	k	L	N	M	D	E	A	Y	G	L	T	488
F	456	i	A	T	L	V	Q	T	F	D	W	E	L	A	N	G	L	e	P	E	m	L	N	M	E	E	A	Y	G	L	T	485
G	459	T	A	S	L	I	H	A	F	D	l	D	L	A	N	G	L	l	a	Q	n	L	N	M	E	E	A	Y	G	L	T	488
H	465	v	A	T	L	V	H	A	F	D	W	D	L	V	N	G	q	s	v	E	t	L	N	M	E	E	A	Y	G	L	T	494
I	425	T	A	S	L	V	H	S	F	D	w	a	L	l	d	G	L	k	P	E	k	L	d	M	E	E	g	Y	G	L	T	454
J	312	T	A	T	L	V	H	S	F	n	w	D	L	l	N	G	M	s	P	d	k	L	d	M	E	E	A	Y	G	L	T	341
K	453	l	g	S	L	L	n	S	F	n	w	k	L	y	G	G	I	a	p	k	d	L	d	M	q	E	k	F	G	I	T	482

A	491	L Q R A	d	P L V V H P R P R L	e a Q a Y i g	512
B	477	L Q R k v	P L M V H P t r	R L S a R V Y n s g f		500
C	499	L Q R A	d	P L V V H P K P R		512
D	489	L Q R A	v	P L V V H P K P R L A	p n V Y g l g s g	513
E	489	L Q R A	a	P L M V H P R t	R L A p Q a Y k t s s s	512
F	486	L Q R A	a	P L M V H P K P R L A	p H V Y e s i	508
G	489	L Q R A	e	P L L V H P R R R L A	t H V Y	508
H	495	L Q R A	v	P L M L H P K P R L	q p H L Y t l n	517
I	455	L Q R A	s	P L I V H P K P R L S	a Q V Y c m	476
J	342	L Q R A	s	P L I V H P K P R L A	s s M Y v k	363
K	483	L a K A	q	P L L a i P t P l		496